

MONTHLY WEATHER MAP

METEOROLOGICAL SERVICE, DOMINION OF CANADA

JUNE 1931

TEMPERATURE

During June a cool front was active in the region of Baffinland and northeastern Quebec and another in the Mackenzie delta. In these regions the mean temperature averaged four to five degrees below normal. In southern Ontario, southwestern Quebec, the St. Lawrence valley, the Atlantic Provinces (except southwestern Nova Scotia), and the greater part of British Columbia, mean temperatures were nearly normal with some districts slightly below normal.

In southeastern British Columbia, southern Alberta, Saskatchewan, Manitoba, northern Ontario and southwestern Nova Scotia, mean temperatures exceeded the normal value. The excess was four to six degrees in the most southerly regions of Saskatchewan and of Manitoba, and in the region of Ontario from Sault Ste. Marie to Cochrane. Elsewhere excess over normal was generally from two to three degrees. In the West very hot weather occurred from the 14th to the 17th and excessively hot weather from the 25th to the 27th.

PRECIPITATION

Rainfall was very much in excess of the normal amount in southwestern British Columbia and part of western Alberta where three to four times the usual June rainfall occurred. The normal amount was exceeded generally in British Columbia except on the northern coast. The normal amount was also exceeded in parts of Saskatchewan and Manitoba, very locally in southern Ontario, in the Lake St. John region of Quebec and in most parts of the Atlantic Provinces. Large local deficiencies occurred in Saskatchewan and Manitoba and on the eastern shore of Lake Superior.

BRITISH COLUMBIA

On Vancouver Island and the lower mainland June was unusually wet with three to four times the normal rainfall occurring at several points. In the southern interior the rainfall ranged from 90 per cent. to 300 per cent. of the normal amount, while 130 per cent. was fairly general. Temperatures were nearly normal in most districts.

ALBERTA, SASKATCHEWAN and MANITOBA

From six to seven and one half inches of rain fell in parts of Alberta. The heavy falls reached as far north as Athabasca Landing and Edmonton and extended south as far as the Red Deer River at Three Hills Creek and Rumsey. Vermilion on the east reported six and one quarter inches but generally in the northeast the total was less than five inches. To the west the heavy falls extended through the Pembina, Athabasca, and upper Red Deer valleys into the mountains.

In some parts of the region between Calgary and Medicine Hat the normal amount was exceeded by ten to thirty-five per cent. but generally from Calgary and the lower Red Deer valley south there was a deficiency of twenty to twenty-five per cent., with a small area in the extreme southwest reporting a deficiency of seventy-five per cent.

In Saskatchewan, in the region of Battleford, St. Walburg, Prince Albert, Saskatoon, Biggar, Outlook and south to Moose Jaw there were excesses ranging from two to one hundred and fifty-five per cent. of the normal. In the Swift Current and Cypress Hills region there were deficiencies of fifteen to sixty per cent. although a few points reported an excess. In the extreme southeast there were deficiencies of fifty to sixty per cent.

In Manitoba rainfall was very spotty, and ranged from twenty-five to one hundred and twenty per cent. of the normal.

Generally in Saskatchewan and Manitoba the rains were very long delayed. Heavy rains at the close of the month continued into the first week of July.

A severe heat wave preceded the break in the drought, but the temperatures did not establish new records.

ONTARIO

The month was generally warmer than normal in the north and west and a little cooler than usual in the south and east.

Rainfall was fifty to eighty-five per cent. of the normal amount west of Lake Superior, thirty to sixty per cent. east of Lake Superior. Elsewhere the rainfall was generally about eighty per cent. of normal with some notable exceptions. In the Muskoka-Algonquin Park region there fell only about forty per cent. of the normal amount, while locally in the peninsula there were excesses of ten per cent.

QUEBEC

The month averaged about one to two degrees above normal in most districts of the south and in the St. Lawrence valley. In the Lake St. John region rainfall was ten to seventy per cent. in excess of normal. In the St. Lawrence valley rainfall was generally about eighty per cent. of normal, although locally there were quite large excesses.

ATLANTIC PROVINCES

Temperatures were generally about normal except in southwestern Nova Scotia where there was an excess of two to three degrees. Heavy rains occurred during the early part of the month in Nova Scotia.

Rainfall was twenty to one hundred per cent. in excess of the normal in Nova Scotia, and generally twenty to thirty per cent. in excess in eastern New Brunswick and Prince Edward Island. In western and southern New Brunswick, there were small local deficiencies.

HUDSON STRAIT

Temperatures were four degrees below normal at Hope's Advance and Resolution Island and two degrees below at Nottingham. At Chesterfield temperatures averaged normal but three degrees above at Churchill.

A. J. CONNOR.

SPECIAL REPORTS

NOTE—Column H is Highest Temperature; Column L is Lowest Temperature; Column P is Precipitation in inches; Column I denotes total of bright sunshine in hours during the month.

BRITISH COLUMBIA

STATION	H	L	P	I	STATION	H	L	P	I	STATION	H	L	P	I
Victoria.....	80°	47°	4.3	249	New Westminster.	83°	46°	4.9		Cranbrook	89°	35°		
Goldstream Lake..			5.8		White Rock.....	79°	46°	5.4		Glacier	80°	32°	5.0	
Sooke.....	80°	40°	4.3		Agassiz.....	86°	45°	4.5	132	Golden.....	90°	33°	2.2	
Duncan.....	87°	40°	4.9		Salmon Arm.....	92°	43°	2.9	181	Field.....	83°	34°	7.4	
Port Alberni.....	94°	39°	4.1		Kelowna.....	95°	40°	1.2		Revelstoke.....	85°	42°	8.5	
Nanaimo.....	80°	43°	4.1	188	Vernon.....	93°	39°	2.5	188	Kamloops.....	91°	25°	1.2	203
Courtenay.....			4.2		Oliver.....	100°	42°	1.6	126	Prince George.....	85°	27°	2.8	235
Vancouver.....	81°	45°	5.6	188	Creston.....	93°	39°	2.2		Nelson.....	92°	38°	4.1	166
										Prince Rupert.....	74°	40°	1.8	

ALBERTA

STATION	H	L	P	I	STATION	H	L	P	I
<i>Peace River</i>					<i>Southern</i>				
Beaver Lodge.....	82°	31°	2.5	265	Calgary.....	84°	37°	2.2	258
(Grande Prairie)					Medicine Hat.....	94°	36°	2.1	242
Grouard.....	82°	28°	4.0		Vauxhall.....	89°	35°	2.2	
Kinuso.....	82°	33°	3.8		Foremost.....	91°	36°	1.6	
Berwyn.....	82°	32°	4.8		Macleod.....	90°	34°	2.4	
Slave Lake.....	80°	30°	3.2		Pincher Creek.....	94°	30°	2.2	
Grande Prairie....	84°	26°	5.4		Alsask.....	102°	35°	1.2	
High Prairie.....	82°	30°	5.4		High River.....	86°	30°	3.0	
Roycroft.....	82°	28°	4.9		Strathmore.....	88°	36°	4.4	
Wembley.....			2.9		Cardston.....	88°	32°	1.0	
<i>Northern</i>					Jenner.....	95°	32°	2.9	
Edmonton.....	86°	30°	6.0	143	Cowley.....			2.1	
Olds.....	80°	30°	6.7		Vulcan.....			3.0	
Coronation.....	90°	30°	3.9		Winnifred.....			0.8	
Three Hills.....	88°	27°	6.3		Seven Persons....			1.8	
Wastina.....	100°	33°	1.2		Craigmyle.....			4.1	
Meanook.....	85°	33°	4.1		Lyndon.....			3.3	
Radway.....	85°	29°	3.6		Sibbald.....			1.4	
Ranfurly.....	85°	29°	4.7		Maycroft.....			2.7	
Hanna.....	87°	33°	3.4		Hillspring.....			0.7	
Vermilion.....	85°	31°	6.3		<i>Mountain Valleys</i>				
Hillsdown.....	84°	27°	3.4		Radium Hot				
Calmar.....	85°	23°	6.2		Springs.....	85°	50°	1.5	
Athabasca.....	85°	27°	6.9		Lake Louise.....	79°	22°	4.4	
Edson.....	82°	25°	6.3		Pekisko.....	79°	25°	2.1	
Wetaskiwin.....	84°	27°	6.1		Entrance.....	81°	26°	6.6	
Perbeck.....	87°	31°	7.5		Coalspur.....	78°	20°	6.6	
Harmattan.....	82°	22°	6.2		Rocky Mountain				
Wabamun.....			5.3		House.....	81°	36°	7.2	
Pemukan.....			1.7		Exshaw.....	79°	33°	4.6	
Lougheed.....			4.4		Coleman.....			2.3	
Rumsey.....	85°	28°	7.1		Mountain View....			0.8	

SASKATCHEWAN

<i>Northern and Eastern</i>					Francis.....	99°	35°	1.7	
Battleford.....	92°	31°	0.9		Gravelbourg. . .	101°	33°	2.5	
Parkside.....			3.4		Chaplin.....	100°	35°	2.2	
Turtleford.....			2.1		Assiniboia.....	98°	37°	3.2	
Meadow Lake.....			2.5		Cadillac.....	106°	32°	2.7	
Prince.....			2.9		Aneroid.....	110°	34°	1.7	
St. Walburg.....			2.8		Shaunavon.....			1.4	
Prongua.....			3.5		Drinkwater.....			3.8	
Witchekan.....			2.8		Leader.....			1.6	
Rabbit Lake.....			3.4		Maple Creek.....			2.0	
Prince Albert.....	96°	35°	2.8		Surprise.....			2.3	
Macklin.....			1.9		Leitchville.....			1.6	
Waseca.....	85°	22°	2.1		Cypress Hills.....			2.4	
Scott.....	92°	33°	2.4	247	Nashlyn.....			2.2	
Muenster.....	96°	28°	2.3		Vidora.....			2.3	
Biggar.....			4.2		Lidgett.....			3.5	
Kamsack.....			1.8		Beechy.....			1.8	
Quill Lake.....			2.3		Davidson.....			2.6	
Yorkton.....			2.4		Dundurn.....	97°	32°	2.9	
Lintlaw.....			2.7		Lumsden.....			2.4	
Nipawin.....			3.0		Outlook.....			4.2	
Hubbard.....			1.7		Midale.....			1.0	
Grenfell.....	108°	33°	1.4		Ceylon.....			1.9	
Carlyle.....	105°	29°	1.5		Caron.....			2.4	
Whitewood.....	105°	29°	1.3		Regina.....			2.5	
<i>Southern and Central</i>					Tugaske.....			2.9	
Swift Current.....			2.4		Strassbourg.....			2.9	
Moose Jaw.....	99°	39°	4.0	271	Nokomis.....			1.9	
Qu'Appelle.....	100°	31°	1.5	269	Saskatoon.....			3.4	
Rosetown.....	96°	30°	2.7		Harris.....			2.5	
					Wapashoe.....			1.9	
					Indian Head.....			1.2	
					Fort Qu'Appelle..			1.8	

MANITOBA

STATION	H	L	P	I	STATION	H	L	P	I
Le Pas.....	92°	37°	1.5	213	Shoal Lake.....	96°	35°	2.5	
Minnedosa.....	108°	27°	1.8		Cypress River....	105°	31°	1.5	
Winnipeg.....	97°	34°	1.1	278	Hamiota.....	108°	29°	1.5	
Virden.....	109°	37°	1.6		Ninette.....	100°	28°	2.8	
Treherne.....	104°	29°	1.1		Morris.....	98°	37°	1.3	
Treesbank.....	109°	28°	2.1		Birtle.....	105°	31°	1.8	
(St. Albans)					Brandon.....	108°	29°	3.3	
Morden.....	99°	39°	0.9		Emerson.....	99°	33°	1.1	
Morden.....	102°	35°	1.1	256	Dauphin.....	105°	36°	1.1	
(Experimental Farm)					Pierson.....	102°	30°	0.6	
Oak Bank.....	95°	37°	1.2		Sprague.....	98°	32°	2.5	
Russell.....	106°	30°	2.8		Boisvauin.....	103°	36°	1.3	
Waskada.....	109°	30°	2.2		Great Falls.....	95°	38°		

ONTARIO

Atikokan.....	100°	28°	2.7		Beatrice.....	92°	31°	1.1	
Mine Centre.....	101°	34°	3.0		Barrie.....	93°	39°	2.1	
Ignace.....	101°	29°	2.2		Walkerton.....	96°	35°	3.1	
Kenora.....	96°	42°	3.4		Mount Forest.....	94°	33°	0.3	
Sioux Lookout.....	103°	33°	2.1		Brucefield.....	91°	35°	2.4	
Port Arthur.....	90°	37°	2.3		Southampton.....	95°	35°	1.8	
Quorn.....	102°	35°	1.5		Stratford.....	94°	38°	3.6	
White River.....	101°	25°	0.8		London.....	96°	38°	3.2	
Schreiber.....	80°	32°	0.6		Woodstock.....	90°	40°	2.6	273
Blind River.....	85°	46°	3.4		Paris.....	96°	40°	1.9	
Biscotasing.....	95°	34°	1.0		Alton.....	91°	36°	2.8	
Chapleau.....	103°	30°	1.8		Harrow.....	93°	38°	1.9	254
Ruel.....	99°	30°	1.5		Simcoe.....	91°	37°	2.5	
Cochrane.....	97°	31°	2.0		Toronto.....	91°	43°	2.2	275
Haileybury.....	96°	38°	2.1		Beeton.....	95°	35°	3.6	
New Liskeard.....	93°	32°	2.8	241	Bloomfield.....	89°	37°	1.6	
Heaslip.....	94°	29°	2.0		Queensboro.....	91°	38°	1.7	
Kapuskasing.....	96°	35°	1.9	258	Peterboro.....	92°	40°	1.7	
Algonquin Park.....	93°	34°	1.1		Kingston.....	81°	49°	2.6	267
Madawaska.....	95°	26°	1.6		Brockville.....	93°	40°	1.7	
Montreal River.....	96°	27°	2.3		Morrisburg.....	87°	38°	2.1	
Crystal Falls.....	90°	31°	4.2		Ottawa.....	94°	44°	1.8	
Providence Bay.....	85°	31°	2.9		Ottawa (Exp. Farm)	93°	39°	2.6	294
Parry Sound.....	90°	40°	1.8		Renfrew.....	92°	38°	2.5	
Scotia Junction.....	91°	32°	1.5		Pembroke.....	94°	40°	1.1	
Walker's Point.....	92°	34°	1.8	271	Clontarf.....	92°	34°	2.6	

QUEBEC

Cedars.....	86°	45°	2.6		Albanel.....	92°	35°	4.0	286
Macdonald College.	90°	47°	3.5		Manouan.....	88°	29°	1.7	
Montréal.....	89°	49°	3.8		Lake Kempt.....	82°	26°	4.5	
Farnham.....	90°	36°	3.0	234	La Tuque.....				
Brome.....	87°	35°	4.1		Chute aux Galets..				
Nicolet.....	90°		3.6		Chute à Murdock..	94°	36°	4.2	
Sorel.....	93°	40°	1.9		Kenogami.....	94°	39°	5.2	
Lennoxville.....	90°	36°	4.0	229	La Loutre Rapids..	89°	29°	2.9	
Sherbrooke.....	90°	40°	2.7		Joliette.....	92°	40°	2.3	
Drummondville.....	92°	43°	3.9		Huberdeau.....	91°	36°	3.3	
Beauceville.....	89°	40°	3.6		Mont Laurier.....	90°	34°	2.1	
Lake Mégantic.....	85°	34°	2.0		St. Lin				
Cap Rouge.....	86°	42°	6.5	256	des Laurentides	92°	37°	3.2	
Québec.....	86°	45°	7.7	242	Maniwaki.....	90°	36°	2.4	
St. Joachim.....	88°	40°	4.9		St. Gabriel de				
Armagh.....	85°	38°	3.9		Brandon	88°	47°	3.4	
Seven Falls.....	84°	33°	4.9		Abitibi.....	94°	31°	1.6	
Ste. Anne de la					La Ferme.....	95°	32°	1.7	256
Pocatière	88°	40°	4.8	250	Ville Marie.....	99°	38°	2.3	
La Malbaie.....	90°	39°	4.3		Sanmaur.....				
Chicoutimi.....	91°	40°	5.3						
Roberval.....	88°	42°	3.7						

ATLANTIC PROVINCES

Saint John.....	84°	47°	3.0	184	Woodstock.....	88°	37°	4.1	
Aroostook.....	85°	38°	3.9		Digby.....	85°	43°	2.8	
Bathurst.....	89°	38°	3.3		Kentville.....	86°	38°	4.6	170
Chatham.....	86°	39°	4.5		Liverpool.....	90°	36°	7.8	
Fredericton.....	86°	43°	3.9	177	Nappan.....	84°	34°	3.6	177
Fredericton.....	86°	43°	3.9	185	Sydney.....	78°	40°	4.3	
(Experimental Farm)					Truro.....	78°	36°	6.0	
Gagetown.....	86°	41°	3.9		Upper Stewiacke..	85°	32°	5.6	
Grand Falls.....	84°	42°	3.4		Wolfville.....	84°	42°	4.2	171
Harvey.....	83°	40°	2.7		Yarmouth.....	75°	42°	5.7	
Moncton.....	87°	35°	3.5		Charlottetown.....	81°	42°	3.3	
Musquash.....	86°	38°	2.6		Charlottetown.....	81°	43°	4.3	201
McAdam.....	87°	42°	3.3		(Experimental Farm)				
Sussex.....	90°	40°	3.1						



MAP

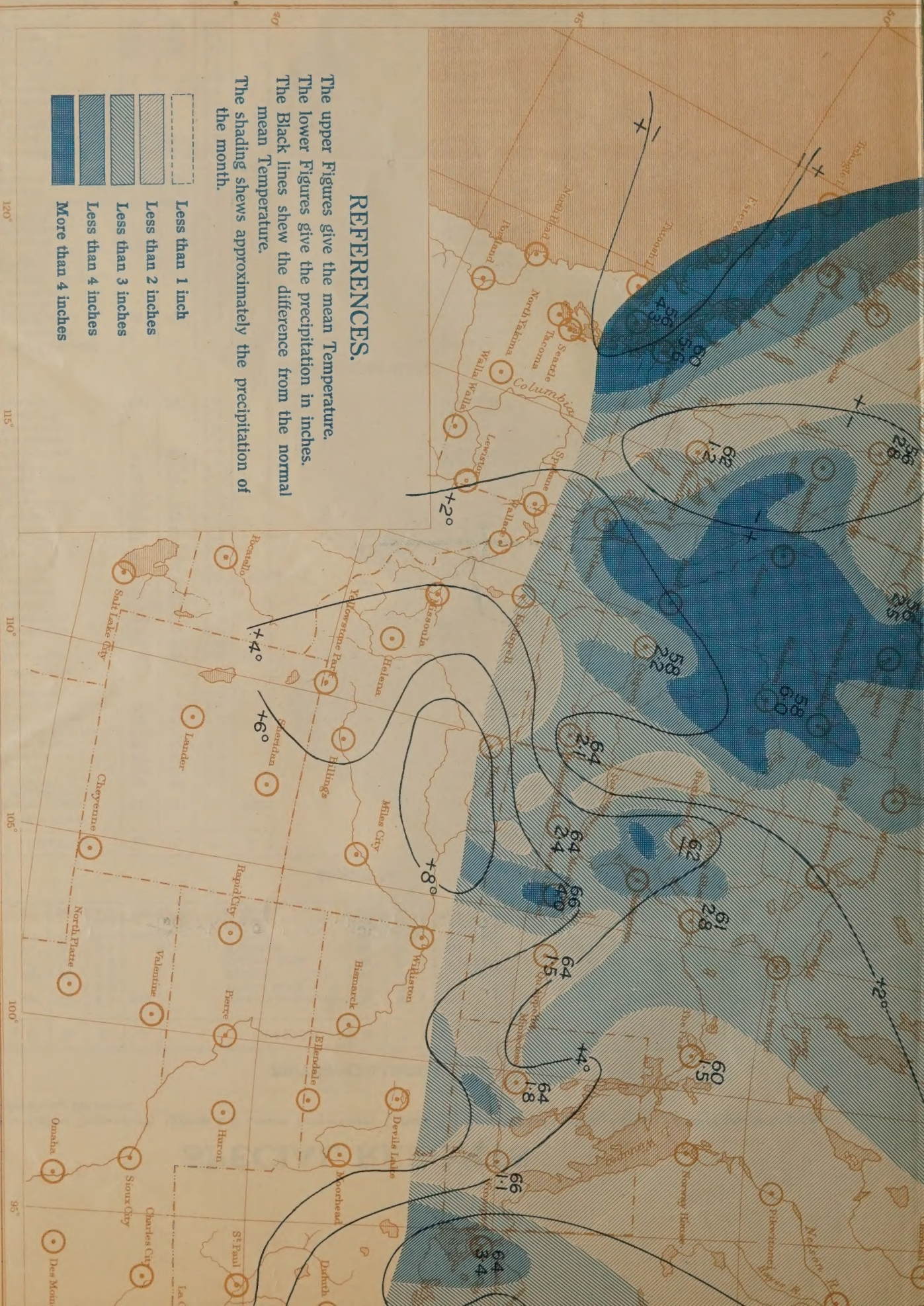
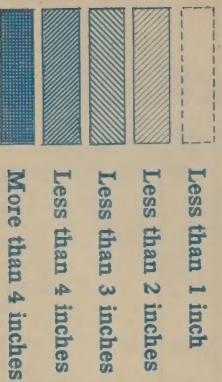
1931

from normal mean temperature; also total precipitation month.



REFERENCES.

The upper Figures give the mean Temperature.
The lower Figures give the precipitation in inches.
The Black lines shew the difference from the normal mean Temperature.
The shading shews approximately the precipitation of the month.



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